

Attorney Docket No.: 254-094-CIP4-C1

**CERTIFICATE OF MAILING UNDER 37 CFR 81.10** I hereby certify that this paper or fee is being deposited with the United States Postal Service via Express Mail EV627511066US addressed to Assistant Commissioner for

Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on the

Angelia Dedek

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Title:

Memory Expansion and Chip Scale Stacking System and

176 day of March, 2005.

Method

10/814,530 Application No.:

Filing Date:

03/31/04

Inventor:

Rapport, et al

Assignee:

Staktek Group L.P.

Examiner:

Thanh Y. Tran

Group:

2822

RESPONSE TO OFFICE ACTION DATED DECEMBER 17, 2004

**Assistant Commissioner for Patents** 

P.O. Box 1450

Alexandria, VA 22313-1450

Applicant responds as follows to the December 17, 2004 office action in the above-identified patent application. Applicant presents amendments and arguments to overcome the Examiner's various objections and rejections.

Please enter the Amendments listed below.

Amendments to the Specification start on page 2 of this paper.

Amendments to the Specification start on page 2 of this paper.

Amendments to the Drawings are instructed on page 5 of this paper and amended drawings labeled "replacement sheet" are included with this paper.

Amendments to the Claims begin on page 6 of this paper.

AUS:567612.1

04/05/2005 GSTANLEY 00000001 500897

10624530

03/21/2005 HWUNE1 00000009 500897

PTO/SB/06 (08-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE re required to respond to a collection of information unless it displays a valid OMB control number.

|   |   | PATENT APPLICATION FEE DETERMINATION RECORD  |  |   |  |  |                            |                            | Application or Docket Number 10 814,530  |  |  |
|---|---|--|--|---|--|--|----------------------------|----------------------------|--|--|--|
| Substitute for Form PTO-875  CLAIMS AS FILED – PART I           |   |  |  |   |  |  | OTHER THAN                 |                            |  |  |  |
| (Column 1)  |   |  | (Colu  | (Column 2)  |  | NIIIT  |                            | 3,10,100                   |  |  |  |
| FOR NUMBER FI   |   | RFILED   | NUMBER EXTRA   |   | RATE   | FEE  |                            | RATE                       | FEE  |  |  |
| BASIC FEE<br>(37 CFR 1.16(a))                                   |   |  |  |   |  | s  | OR                         |                            | <u>s</u>   |  |  |
| TOTAL CLAIMS  |   | minus 20 =   |  |   | x s=   |  | OR                         | x s=                       |  |  |  |
| INDEPENDENT CLAIMS  |   | minus 3  |  |   | x s=   |  | OR                         | x s=                       |  |  |  |
| (37 CFR 1.10(0))  |   |  |  |   | + 5 =  |  | OR                         | + 5 =                      |  |  |  |
| MOETIFEE BET ENDERN OBTAIN THE                                  |   |  |  |   | TOTAL  |  | OR                         | TOTAL                      |  |  |  |
|   |   |  |  |   |  |  |                            |                            |  |  |  |
| CL  | AIMS AS AME   | NDED -   | PARTII   |   |  |  | OP                         | OTHER                      | THAN   |  |  |
| (Column 1)  |   |  | (Column 2) (Column 3)  |   | SMALL ENTITY   |  | ۰ کر<br>۱                  | SMALL ENTITY               |  |  |  |
| 3/17/05   | CLAIMS<br>REMAINING<br>AFTER  |  | HIGHEST<br>NUMBER<br>PREVIOUSLY  | PRESENT<br>EXTRA  | RATE   | ADDI-<br>TIONAL<br>FEE                             |                            | RATE                       | ADDI-<br>TIONAL<br>FEE   |  |  |
| Total   |   | Minus  |  | = (   | x s 25 =   |  | OR                         | x s <u>50</u> =            | 50   |  |  |
| (37 CFR 1.16(c))  |   | Minus  | ***  | = 1   | 100  | -  | 1                          | x 5 200Q                   | 200  |  |  |
| (37 CFR 1.16(b))  |   |  |  |   |  |  | 1                          | 312                        |  |  |  |
| Total (37 CFR 1.16(a))   32   Minus   31   = 1                  |   |  |  |   |  |  | - OR                       | TOTAL                      | 250  |  |  |
|   |   |  |  |   | ADD'L FEE  | L  | OR                         | ADD'L FEE                  | 200  |  |  |
|   | (Column 1)  |  | (Column 2)   | (Column 3)  |  | <del>,                                      </del> | 7                          |                            |  |  |  |
|   | CLAIMS<br>REMAINING<br>AFTER  |  | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR  | PRESENT<br>EXTRA  | RATE   | ADDI-<br>TIONAL<br>FEE                             |                            | RATE                       | ADDI-<br>TIONAL<br>FEE   |  |  |
| Total   | • AMENUMENT   | Minus  | **   | =   | x s=   |  | OR                         | x s=                       |  |  |  |
| (37 CFR 1.16(c))<br>Independent                                 | •   | Minus  | •••  | =   | x s =  |  | OR                         | x s=                       |  |  |  |
|   |   | <b>!</b>   |  |   |  |  | OR                         | + 5 =                      |  |  |  |
| AFTER   |   |  |  |   | TOTAL  | <del></del>  | ٦                          | TOTAL                      |  |  |  |
|   |   |  |  |   | ADD'L FEE  | <u> </u>   | _J OR                      | ADD L FEE                  | <u> </u>   |  |  |
|   | (Column 1)  |  | (Column 2)   | (Column 3)  |  |  | _                          |                            | <del></del>  |  |  |
|   | CLAIMS<br>REMAINING<br>AFTER  |  | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR  | PRESENT<br>EXTRA  | RATE   | ADDI-<br>TIONAL<br>FEE                             |                            | RATE                       | ADDI-<br>TIONAL<br>FEE   |  |  |
| Total   | • AMENUMENT   | Minus  | **   | =   | x s =  |  | OR                         | x \$=                      | <u> </u>   |  |  |
| (37 CFR 1.16(c))<br>Independent                                 | ·   | Minus  | •••  | =   | x s _=   |  | OR                         | x \$=                      |  |  |  |
| (37 CFR 1.16(b))  | L   | l  | <u> </u>   |   |  |  | OR                         | + 5 =                      |  |  |  |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) |   |  |  |   | TOTAL  | +  | <b>-</b> i                 | TOTAL                      | 1  |  |  |
|   |   |  | y in column 2, W   |   |  | L  | OR                         | ADD'L FEE                  | L  |  |  |
|   | FEE R 1.16(a)) CLAIMS R 1.16(c)) ENDENT CLAIMS R 1.16(b)) PLE DEPENDEN  difference in co  CL  Total (37 CFR 1.16(c)) Independent (37 CFR 1.16(c)) Independent (37 CFR 1.16(c)) FIRST PRESENT  Total (37 CFR 1.16(c)) Independent (37 CFR 1.16(c)) Independent (37 CFR 1.16(c)) Independent (37 CFR 1.16(c)) | (Column 1)  CLAIMS REMAINING AFTER AMENDMENT  Total (37 CFR 1.16(a))  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS  CLAIMS  CLAIMS  REMAINING AFTER AMENDMENT  CLAIMS  CLAIMS  CLAIMS  REMAINING AFTER AMENDMENT  CLAIMS  CLAIMS  CLAIMS  REMAINING AFTER AMENDMENT  Total (37 CFR 1.16(a))  CLAIMS  CLAIMS  REMAINING AFTER AMENDMENT  CLAIMS  CLAI | (Column 1)  FOR NUMBER FILED  FEE R 1.16(a))  CLAIMS R 1.16(b))  ENDENT CLAIMS R 1.16(b))  PLE DEPENDENT CLAIM PRESENT  CLAIMS AS AMENDED  (Column 1)  CLAIMS AFTER AMENDMENT  Total (37 CFR 1.16(b))  CLAIMS REMAINING AFTER AMENDMENT  Total (37 CFR 1.16(c))  CLAIMS REMAINING AFTER AMENDMENT  Minus  Total (37 CFR 1.16(c))  Independent (37 CFR 1.16(c))  Independent (37 CFR 1.16(c))  Minus  Total (37 CFR 1.16(c))  Minus  Minus  Minus | FOR NUMBER FILED NUMBER FEE R 1.16(a)) CLAIMS R 1.16(c)) FINDENT CLAIMS R 1.16(b)) FINDENT CLAIMS R 1.16(b))  Independent (37 CFR 1.16(b))  CLAIMS AMENDMENT  Total (37 CFR 1.16(c))  CLAIMS REMAINING AFTER AMENDMENT  Total (37 CFR 1.16(c))  CLAIMS REMAINING AFTER AMENDMENT  FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(b))  Total (37 CFR 1.16(c))  CLAIMS REMAINING AFTER AMENDMENT  FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(c))  Total (37 CFR 1.16(c))  Total (37 CFR 1.16(c))  CLAIMS REMAINING AFTER AMENDMENT  Total (37 CFR 1.16(c))  Total (37 CFR 1.16(c))  FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(c))  Total (37 CFR 1.16(c))  Minus  """  (Column 1)  (Column 2)  HIGHEST NUMBER PREVIOUSLY PAID FOR  (COlumn 1)  (Column 2)  HIGHEST NUMBER PREVIOUSLY PAID FOR  Minus  """  Total (37 CFR 1.16(c))  Total (37 CFR 1.16(c))  Minus  """  Total (37 CFR 1.16(c))  Minus  """  MINUS  ""  MINUS  """  MINUS  ""  MINUS  """  MINUS  """ | FOR NUMBER FILED NUMBER EXTRA  FEE R 1.16(a)) CLAIMS R 1.16(c)) minus 20 = .  ENDENT CLAIMS R 1.16(b) minus 3 = .  PLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))  I difference in column 1 is less than zero, enter "0" in column 2.  CLAIMS AS AMENDED — PART II  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER AMENDMENT PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING PREVIOUSLY PAID FOR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS PREVIOUSLY PRESENT PREVIOUSLY PAID FOR 1.16(d)) | FOR  | Column 1   Column 2   RATE | Column 1   Column 2   RATE | CLAIMS AS FILED - PART I (Column 1) (Column 2)  FOR NUMBER FILED NUMBER EXTRA  FEE R. 1.16(a))  CLAIMS (R. 1.16(a))  CLAIMS minus 20 = .  FIDERIT CLAIMS minus 3 = .  PLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))  difference in column 1 is less than zero, enter '0' in column 2.  CLAIMS AS AMENDED - PART II  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING AFTER PREVIOUSLY PAID FOR 102 FEE NAMENDRENT (27 CFR 1.16(d))  FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))  (Column 1) (Column 3)  CLAIMS REMAINING AMENDED PREVIOUSLY PAID FOR 101 FEE NAMENDRENT (27 CFR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING PREVIOUSLY PRESENT (27 CFR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING PREVIOUSLY PRESENT (27 CFR 1.16(d))  (Column 1) (Column 2) (Column 3)  CLAIMS REMAINING PREVIOUSLY PREVIOUSLY PREVIOUSLY PREVIOUSLY PAID FOR 101 ADDL FEE NAMENDRENT (10 ADDL FEE NAMENDRENT |  |  |

"" If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.